

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-756 Rev F/IIN-D119-756-EASA Rev A and
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-756 Rev 3/ICA-D119-756-EASA Rev 0

REF TCCA STC: SH06-39

FAA STC: SR02364NY

EASA STC: 10016908

1.0 PURPOSE

The purpose of this Service Instruction is to introduce the D119-756-111 Clamp Kit, which allows the installation of the D119-756-041 Heli-Utility-Basket on AW119 MKII aircraft fitted with Dart D119-796-XXX Crosstubes. The D119-756-111 Clamp Kit can be procured from Dart Aerospace. One Kit installs one basket.

This DSI also introduces the DSI 9729-011 Clevis Kit which improves the installation of the D119-756-041 Heli-Utility-Basket on AW119 aircraft fitted with Dart D119-646-XXX Skidtubes. The DSI 9729-011 Clevis Kit can be procured from Dart Aerospace. One Kit installs one basket.

2.0 CHANGE

The D119-756-011 Clamp Kit is replaced with the D119-756-111 Clamp Kit (D5283-041/-7/-043/-11 Clamps). The parts list for the D119-756-111 Clamp Kit is shown on sheet 4 of this service instruction. Install the Clamp Kit as shown in Figures 1 and 2 of this service instruction. These parts have been added to D119-756-041 Baskets @ CHG 005 and later.

The DSI 9729-011 Clevis Kit replaces the D3516-11 Clevis and D3520-3 Spacer mounted on Dart Skidtube saddles. The parts list for the DSI 9729-011 Clevis Kit is shown on sheet 4 of this service instruction. Install the Clevis Kit as shown in Figure 1 of this service instruction.

3.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D119-756-111 CLAMP KIT	1.3 lb 0.6 kg	24.5 in 0.62 m	33.2 lb-in 0.37 kg-m	120.0 in 3.05 m	156 lb-in 1.83 kg-m
DSI 9729-011 CLEVIS KIT	DOES NOT AFFECT WEIGHT AND BALANCE				

4.0 INSTALLATION: D119-756-111 CLAMP KIT

- 4.1 The D119-756-041 Heli-Utility-Basket may only be installed on the RH side of the AW119 MKII aircraft
- 4.2 If the D119-756-041 Heli-Utility-Basket is being installed with Dart skidtubes, install D5287-1 Clevises per Section 5.0 of this service instruction.
- 4.3 Loosely install the D5283-041/D5283-7 Clamp on the Aft Crosstube and the D5283-043/D5283-11 Clamp on the Fwd Crosstube using the supplied hardware at the locations shown in IIN-D119-756/IIN-D119-756-EASA. D2732-032 Rubber Cushions must be installed under each side of the clamps. See Figure 2.
- 4.4 Mount the D3517-1 Struts assembled on the basket to the D5287-1/D3156-11 Clevis mounted on the Skidtube saddles and secure using AN4-15A Bolts, NAS1149D0463J Washers (2) and MS21042L4 Nuts as shown in Figure 1.
NOTE: It is acceptable to install extra NAS1149D0463J Washers to take up gaps between D3517-1 Strut and D5287-1/D3516-11 Clevis, as required.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 15.07.02
CERT. NO.: SH06-39
ISSUE NO.: 2

A	NEW ISSUE	DB	15.07.02
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	N/A	DRAWING NO.	REV. A
MFG. APPR.	WM	DSI 9729	SHEET 1 OF 4
APPROVED	WM	TITLE	COMPATIBILITY WITH DART SCALE
DE APPR.	WM	CROSSTUBES	NTS
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- 4.5 Pivot the Basket upwards and attach the qty (2) D3518-041 Strut Assemblies to the D5283-041/043 Clamps using AN4-13A Bolts, D2617-3 Bushing, D2617-5 Bushings (2), NAS1149D0463J Washers (2) and MS21042L4 Nuts for each Strut. See Figure 2.
- 4.6 Torque nuts on all AN4 Bolts to 50-70 in-lbs (5.5-8.0 Nm). CAUTION: Over-torquing could lead to damage of the clamps.

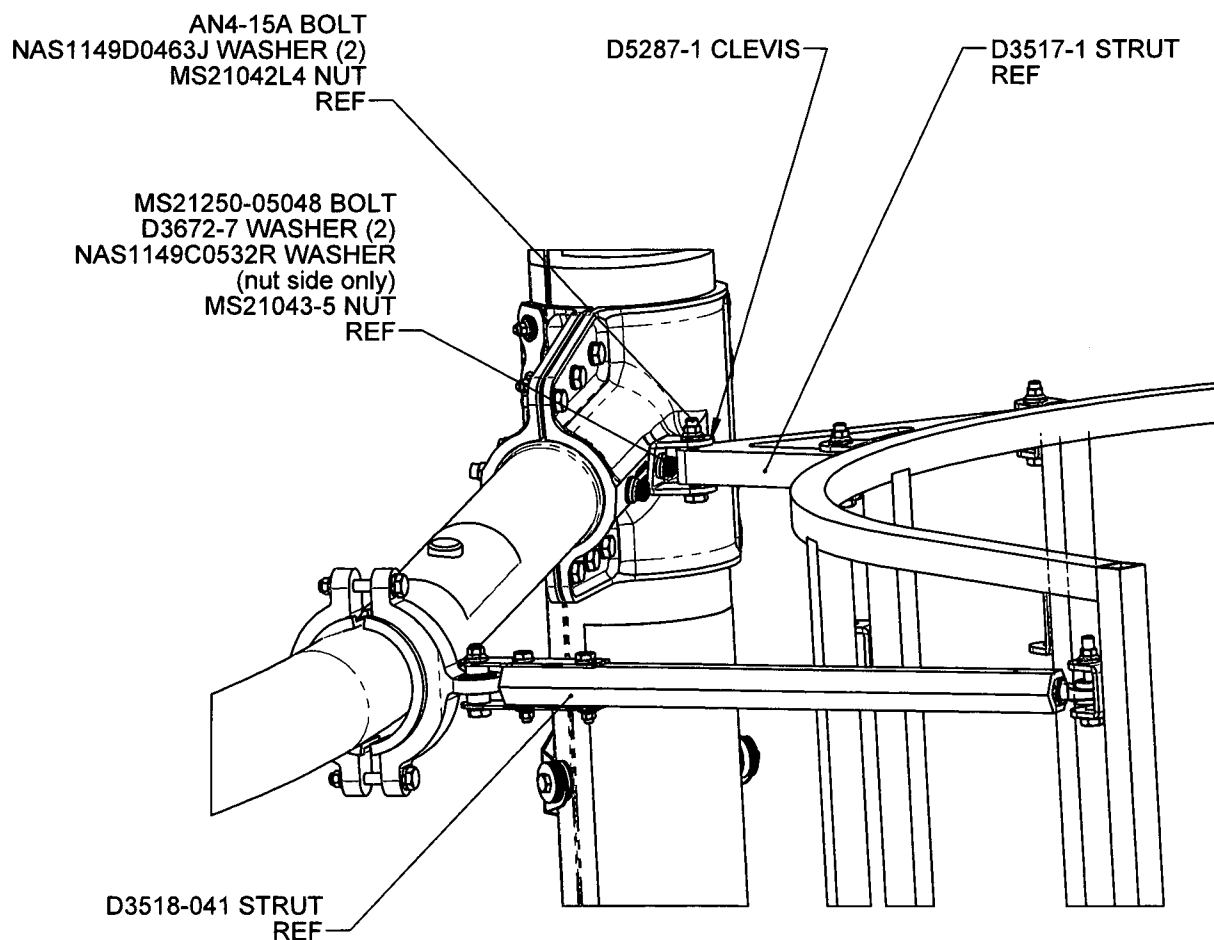


FIGURE 1: CLEVIS/STRUT INSTALLATION
(BASKET FEATURES REMOVED FOR CLARITY)

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5.0 INSTALLATION: DSI 9729-011 CLEVIS KIT

- 5.1 For installation of the D119-756-041 Heli-Utility-basket on the AW119 or the AW119 MKII equipped with OEM crosstubes and Dart skid tubes, remove and retain the bottom MS21250-05048 bolt, NAS1149C0532R (2) washers, D3672-7 (2) phenolic washers and MS21043-5 nut on each saddle. Discard one NAS1149C0532R washer per saddle. **NOTE:** It is acceptable to install extra NAS1149D0463J Washers to take up gaps between D3517-1 Strut and D5287-1 Clevis, as required.
- 5.2 Install qty (2) D5287-1 Clevis using the retained fasteners as per Figure 1. Assemble with the D3672-7 phenolic washer between the Clevis and the Saddle.
- 5.3 Torque to 65-85 in-lbs (7.3-9.6 N-m)

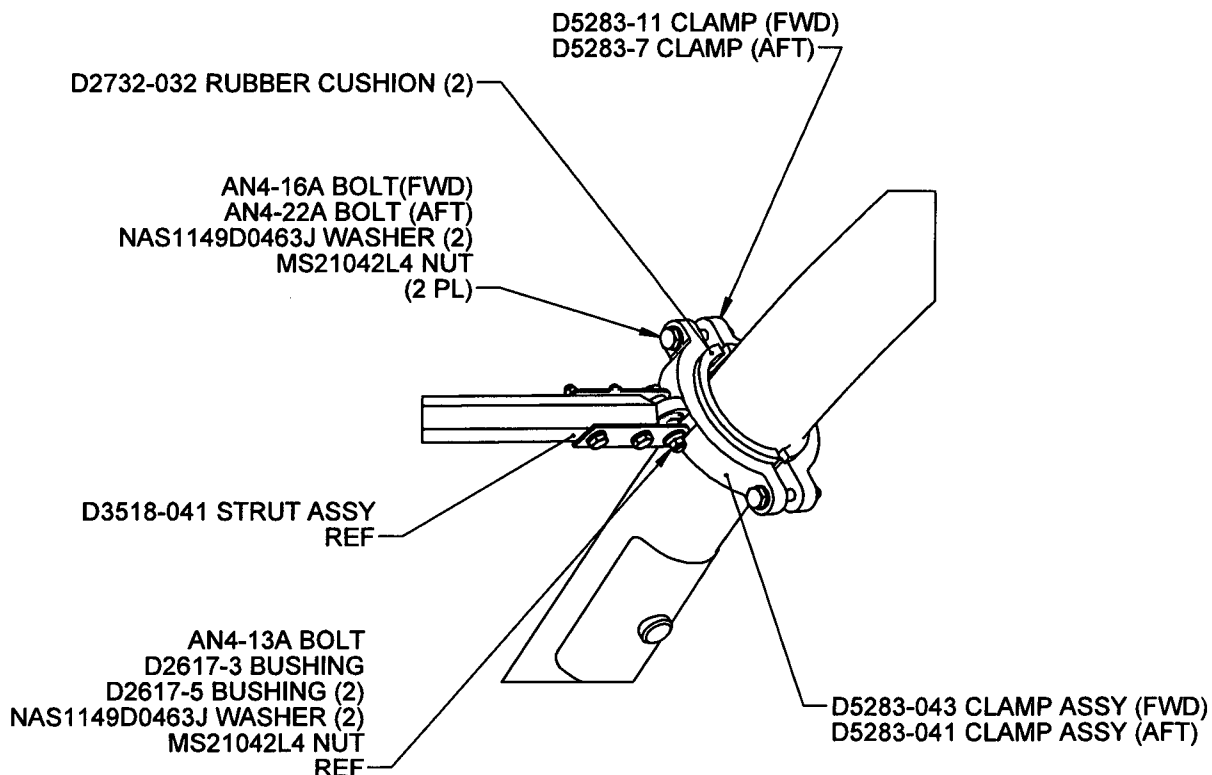


FIGURE 2: CLAMP INSTALLATION

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6.0 PARTS LIST:

QTY -111	PART NUMBER	DESCRIPTION
X	D119-756-111	CLAMP KIT
4	D2732-032	RUBBER CUSHION
1	D5283-7	CLAMP
1	D5283-11	CLAMP
1	D5283-041	CLAMP ASSY
1	D5283-043	CLAMP ASSY
2	D5287-1	CLEVIS
2	AN4-16A	BOLT
2	AN4-22A	BOLT
14	NAS1149D0463J	WASHER
4	MS21042L4	NUT



QTY- 011	PART NUMBER	DESCRIPTION
X	DSI 9729-011	CLEVIS KIT
2	D5287-1	CLEVIS

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